

## Claims

### [Claim 1]

A reflector for lighting comprising:

a reflective material 1 made of a polymer membrane of which an average reflectance of 400 to 700 nm wavelength of at least one surface side is 85% or more and having a ridge-shaped uneven shape; and

a reinforcing material having flexibility,

wherein the reinforcing material connects the bottom parts of concave parts with each other from the back side of the side of the one surface side of the reflective material 1 to reinforce the uneven shape.

### [Claim 2]

The reflector for lighting according to claim 1, wherein the reflective material 1 and the reinforcing material are made of a polyester film.

### [Claim 3]

The reflector for lighting according to claim 1, wherein the reflective material 1 has a groove formed on at least a back side of an edge line part of a convex part.

### [Claim 4]

The reflector for lighting according to claim 1, wherein the reflector contains a plurality of reflective materials.

[Claim 5]

The reflector for lighting according to claim 4, wherein the reflector contains a plurality of reflective materials 1.

[Claim 6]

The reflector for lighting according to claim 4, further comprising a reflective material 2 made of a polymer membrane of which an average reflectance of 400 to 700 nm wavelength of at least one surface side is 85% or more and having no ridge-shaped uneven shape.

[Claim 7]

The reflector for lighting according to claim 4, wherein the reflector contains a connection material for connecting a plurality of reflective materials.

[Claim 8]

The reflector for lighting according to claim 7, wherein the reflective material 1, the reinforcing material and the connection material are made of a polyester film.

[Claim 9]

The reflector for lighting according to claim 1, wherein the reflective material made of the polymer membrane of which the average reflectance of 400 to 700 nm wavelength of at least one surface side is 85% or more forms a side part continuing from the bottom part of the reflector, and has a groove formed on the back side of the one surface side on the boundary of the bottom part and the side part.

[Claim 10]

A reflector for lighting, comprising a reflective material made of the polymer membrane of which the average reflectance of 400 to 700 nm wavelength of at least one surface side is 85% or more, forming a side part continuing from the bottom part of the reflector, and having a groove formed on the back side of the one surface side on the boundary of the bottom part and the side part.

[Claim 11]

A back light device for displaying information using the reflector for lighting according to any one of claims 1 or 10.